

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-7. (Canceled)

8. (Currently Amended) A ~~computer-implemented method~~ implemented in a grid network including grid managers, the grid managers each managing a service and a resource running the service, and including at least a superior grid manager and inferior grid managers of sharing resources, the method comprising:

~~receiving, at a grid manager, a resource requirement from an application-
manager;~~

sending a first query from the superior grid manager to the inferior grid managers ~~that are inferior to the grid manager~~, the first query including [[the]] a resource requirement for the resources managed by the grid managers;

receiving, at the superior grid manager, in response to the first query, indications of resources [[of]] managed by the inferior grid managers that meet the resource requirement and are available, ~~the resources including addresses of the inferior grid-
managers;~~

~~adding the resources of the inferior grid managers to a resource list; and
sending the resource list from the grid manager to the application manager.
providing feedback from the grid managers about the grid network; and~~

displaying, based on the feedback, a matrix comprising:
rows corresponding to the grid managers and the services managed by the grid
managers, and
columns representing the resources and having intersections with the rows,
wherein the intersections between columns and the rows include indications of
the services running on the resources.

9. (Currently Amended) The method of claim 8, further comprising:
determining resources of the grid managers ~~manager~~ that meet the resource
requirement and are available; and
adding the determined resources of the grid managers ~~manager~~ to ~~[[the]]~~ a
resource list sent to the superior grid manager.

10. (Currently Amended) The method of claim ~~[[8]]~~ 9, further comprising:
determining, by the superior grid manager, whether the resource list is empty;
and
if the resource list is empty, sending a second query to superior grid managers
that are superior to the superior grid manager, the second query including the resource
requirement.

11. (Currently Amended) The method of claim 8, further comprising:
receiving a resource reservation request from ~~[[the]]~~ an application manager, the resource reservation request including a requested resource;
determining whether the requested resource is available; and
if the requested resource is available, then allocating the requested resource to the application manager and sending a reservation number to the application manager.
12. (Previously presented) The method of claim 11, further comprising:
receiving an application file from the application manager; and
installing an application server using the application file, the application server utilizing the requested resource.
13. (Canceled)
14. (New) The method according to claim 8, further comprising dynamically refreshing the displayed matrix to reflect a new service available on one of the grid managers.
15. (New) The method according to claim 14, wherein the displayed matrix is dynamically refreshed based on feedback from the grid managers.

16. (New) A grid network comprising:

grid managers including at least a superior grid manager and inferior grid managers;

a plurality of resources each running a service, each of the grid managers managing one of the resources and the service running on the resource; and

a display connected to the grid network for displaying a matrix based on feedback from the grid managers;

wherein:

the superior grid manager sends a first query to the inferior grid managers, the first query including a resource requirement for the resources managed by the grid managers;

the superior grid manager receives, in response to the first query, indications of resources managed by the inferior grid managers that meet the resource requirement and are available, and

the displayed matrix comprises:

rows corresponding to the grid managers and the services managed by the grid managers, and
columns representing the resources and having intersections with the rows,

wherein the intersections between columns and the rows include indications of the services running on the resources.

17. (New) The system according to claim 16, wherein the displayed matrix is dynamically refreshed to reflect a new service available on one of the grid managers.

18. (New) The system according to claim 17, wherein the displayed matrix is dynamically refreshed based on feedback from the grid managers.

19. (New) A computer-readable storage device for causing a processor to implement a method in a grid network including grid managers, the grid managers each managing a service and a resource running the service, and including at least a superior grid manager and inferior grid managers, the method comprising:

 sending a first query from the superior grid manager to the inferior grid managers, the first query including a resource requirement for the resources managed by the grid managers;

 receiving, at the superior grid manager, in response to the first query, indications of resources managed by the inferior grid managers that meet the resource requirement and are available; and

 providing feedback from the grid managers about the grid network for based on the feedback, a matrix comprising:

 rows corresponding to the grid managers and the services managed by the grid managers, and

 columns representing the resources and having intersections with the rows,

wherein the intersections between columns and the rows include
indications of the services running on the resources.

20. (New) The computer-readable storage device according to claim 19,
wherein the displayed matrix is dynamically refreshed to reflect a new service available
on one of the grid managers.

21. (New) The computer-readable storage device according to claim 20,
wherein the displayed matrix is dynamically refreshed based on feedback from the grid
managers.